



11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209
501-455-3233 Fax 501-455-6118

21 January 2015

Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221

RE: Arkwood Monthly Sampling
SDG Number: 1501162

Enclosed are the results of analyses for samples received by the laboratory on 14-Jan-15 12:25. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	✓
Containers Correct	✓
COC/Labels Agree	✓
Received On Ice	✓
Temperature on Receipt	4.0°C

Sincerely,

A handwritten signature in blue ink that reads "Norma James / Teresa Coins".

Norma James
President

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9557499

21 January 2015

Jim Fleer
Oxford Environmental & Safety, Inc
14348 Nieman Rd.
Overland Park, KS 66221
Project: Arkwood Monthly Sampling



Date Received: 14-Jan-15 12:25

ANALYTICAL RESULTS

Lab Number: 1501162-01
Sample Name: Mouth
Date/Time Collected: 1/13/15 11:30
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	88.4		1/16/15 19:59	A501185	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	94.8		1/16/15 19:59	A501185	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	63.2		1/16/15 19:59	A501185	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	47.4		1/16/15 19:59	A501185	8270D, Rev 4, 2007

ANALYTICAL RESULTS

Lab Number: 1501162-02
Sample Name: Weir
Date/Time Collected: 1/13/15 11:00
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	<u>Qualifier(s)</u>	<u>Date/Time Analyzed</u>	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 1.00		1/16/15 20:41	A501185	8270D, Rev 4, 2007
2,4,6-Tribromophenol [surr]	%	93.6		1/16/15 20:41	A501185	8270D, Rev 4, 2007
2-Fluorophenol [surr]	%	46.5		1/16/15 20:41	A501185	8270D, Rev 4, 2007
Phenol-d5 [surr]	%	33.4		1/16/15 20:41	A501185	8270D, Rev 4, 2007

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QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 16-Jan-15 18:34 By: TB

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch A501185 - EPA 3510C MS

Blank (A501185-BLK1)

Prepared & Analyzed: 16-Jan-15

Pentachlorophenol	ND	1.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	36.2		"	40.0		90.4	33-148			
Surrogate: 2-Fluorophenol	25.7		"	40.0		64.2	38-78			
Surrogate: Phenol-d5	19.4		"	40.0		48.6	30-61			

LCS (A501185-BS1)

Prepared & Analyzed: 16-Jan-15

Pentachlorophenol	35.9	1.00	ug/L	40.0		89.7	56-118			
Surrogate: 2,4,6-Tribromophenol	35.7		"	40.0		89.2	66-132			
Surrogate: 2-Fluorophenol	27.0		"	40.0		67.4	41-72			
Surrogate: Phenol-d5	21.3		"	40.0		53.3	29-58			

Matrix Spike (A501185-MS1)

Source: 1501162-01

Prepared & Analyzed: 16-Jan-15

Pentachlorophenol	163	2.00	ug/L	80.0	88.4	93.5	59.5-122			
Surrogate: 2,4,6-Tribromophenol	71.6		"	80.0		89.5	55.9-134			
Surrogate: 2-Fluorophenol	54.2		"	80.0		67.7	17.1-87.4			
Surrogate: Phenol-d5	43.8		"	80.0		54.7	14.7-66.9			

Matrix Spike Dup (A501185-MSD1)

Source: 1501162-01

Prepared & Analyzed: 16-Jan-15

Pentachlorophenol	162	2.00	ug/L	80.0	88.4	91.5	59.5-122	1.02	8.94	
Surrogate: 2,4,6-Tribromophenol	78.4		"	80.0		98.0	55.9-134			
Surrogate: 2-Fluorophenol	49.7		"	80.0		62.1	17.1-87.4			
Surrogate: Phenol-d5	39.4		"	80.0		49.2	14.7-66.9			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods.

Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James / Teresa Coins

Norma James and/or Teresa Coins
Technical Director and/or QA Officer



11701 Interstate 30, Bldg. 1, Ste. 115
Little Rock, AR 72209
PHONE: 501-455-3233
FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION				Project Description				Turnaround Time		Preservation Codes:																							
Oxford Environmental & Safety, Inc.				Arkwood Monthly Sampling				1 Day (100%)		1. Cool, 4 Degrees Centigrade						4. Thiosulfate for Dechlorination																	
14348 Nieman Rd.								2 Day (50%)		2. Sulfuric Acid (H ₂ SO ₄), pH < 2						5. Hydrochloric Acid(HCl)																	
Overland Park KS 66221				Reporting Information				3 Day (25%)		3. Nitric Acid (HNO ₃), pH < 2						6. Sodium Hydroxide (NaOH), pH > 12																	
Attn: Jim Fleer				Telephone: 913-706-3422				5 Day (Routine)		TEST PARAMETERS												Bottle Type Code											
				Email: jfleer@oxfordeands.com				Preservative Code: 1														G = Glass; P = Plastic											
								Bottle Type: GA														V = Septum; A = Amber											
Sampler(s) Signature				Sampler(s) Printed						Pentachlorophenol (8270D)												Arkansas Analytical Work Order Number:											
Field Number		SAMPLE COLLECTION Date/s Time/s		Grab	Comp	Number of Bottles	Sample Matrix	SAMPLE IDENTIFICATION/ DESCRIPTION																									
		11/13/15 11:30		X		2	Water	Mouth				X												01									
		11/13/15 11:00		X		2	Water	Weir				X												02									
																		ONSITE MEASUREMENTS BY Oxford Environmental															
																				pH		Temperature		DO%									
																		Mouth		7.01		13.96		57.3									
																		Weir		7.40		12.24		257.8									
1. Relinquished by: (Signature)				Date/Time		2. Received by: (Signature)				SAMPLE CONDITION UPON RECEIPT IN LAB								REMARKS / SAMPLE COMMENTS															
				11/13/2015 12:45		UPS				1. CUSTODY SEALS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								Flow Rate - 5.47															
										2. CONTAINERS CORRECT: <input type="checkbox"/> Yes <input type="checkbox"/> No								O ₃ Power - 20%															
										3. COC/LABELS AGREE: <input type="checkbox"/> Yes <input type="checkbox"/> No								O ₃ Conc - 2.00															
3. Relinquished by: (Signature)				Date/Time		4. Received by lab: (Signature)				4. RECEIVED ON ICE: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								O ₃ Residual - 1.48															
UPS				1-14-15 1225		Amanda Fobush				5. TEMPERATURE ON RECEIPT: 4°C																							
										6. TEMPERATURE GUN ID: HHT#2																							
																		FOR COMPLETION BY LAB ONLY															